

# Converting Colors

Hex(050070)

Have a look what the booklet for  
Hex(050070) contains.

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# Color

**Hex(050070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	050070
RGB	5, 0, 112
RGB Percent	2%, 0%, 44%
CMY	0.9804, 1.0000, 0.5608
CMYK	0.96, 1.00, 0.00, 0.56
HSL	243°, 100%, 22%
HSV	243°, 100%, 44%
XYZ	2.9872, 1.2021, 15.4038
YIQ	14.2630, -32.9720, 35.8920

# Conversions

## Conversions Part 2

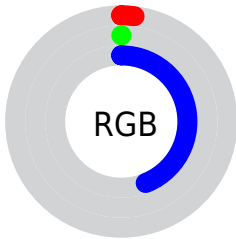
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	5, 0, 112
Decimal	327792
CIE <sub>Lab</sub>	10.57, 43.25, -58.40
CIE <sub>LCh</sub>	11, 72.670, 306.525
Yxy	1.2021, 0.1525, 0.0614
Android (android.graphics.Color)	4278517872 (0xFF050070)
YUV	14.2630, 48.1843, -8.1237
Hunter-Lab	10.9641, 29.4459, -75.6235

# Details

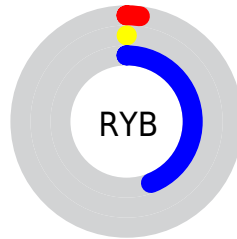
The Hex color **050070** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **6B7000**, and the grayscale version is **0E0E0E**.

A 20% lighter version of the original color is **4F30A5**, and **00043E** is the 20% darker color. If you saturate the color by 10%, you get **050070**, and if you desaturate by 10%, it is **100B70**.

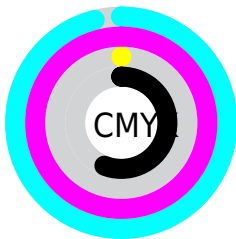
# Distribution



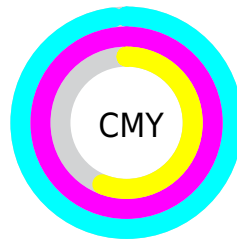
- Red (2%)
- Green (0%)
- Blue (44%)



- Red (2%)
- Yellow (0%)
- Blue (44%)



- Cyan (96%)
- Magenta (100%)
- Yellow (0%)
- Black (56%)



- Cyan (98%)
- Magenta (100%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 050070 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 050070 by changing the saturation by 10% instead.



 050070

 050070

 FFE8FF

 000057

 4F30A5

 00043E

 6B48C1

 000328

 8761DD

 000111

 A47AFA

 000000

 C195FF

 DEB0FF

 FCCBFF

 050070

■ 100B70

■ 1A1670

■ 252270

■ 302D70

■ 3A3870

■ 454370

■ 504E70

■ 5B5A70

■ 656570

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



002585



050070



590045

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



050070



420300



002A27

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



050070



6B7000

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



002900



050070



1B1F00

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



050070



5D0000



002900



002D59

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



050070



670025



002900



002A16



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



050070



686691



006C70



312F4A



C9C9C9



4A4A4A



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



050070



060091



3C0070



333238



050078



0B00F7



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



70006B



91008B



347000



383238



780072

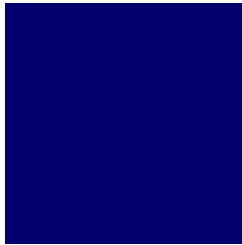


F700EC



# Previews

## White Background



This preview shows how the Hex color 050070 looks on a white background.

## Color Contrast Check

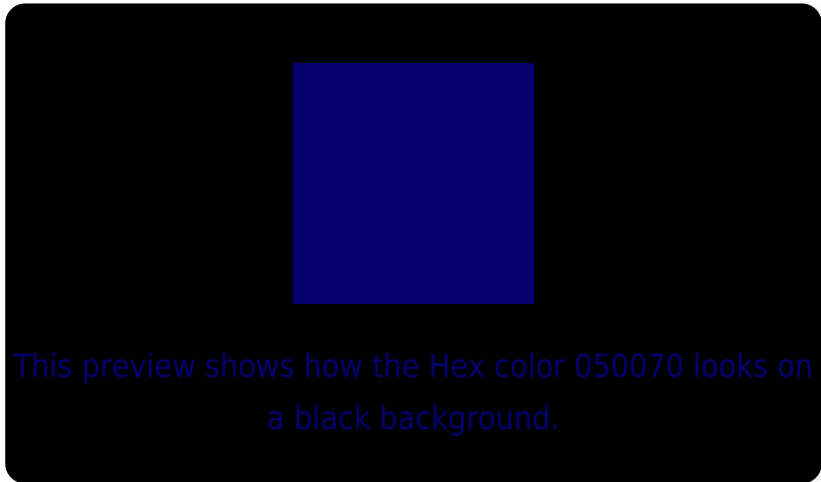
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

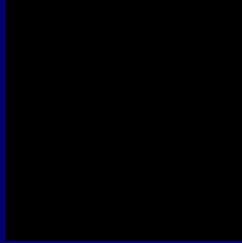
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 050070 Background



This preview shows how black text looks on a background with the Hex color 050070.



This preview shows how white text looks on a background with the Hex color 050070.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
050070

**Protanopia**  
002145

**Deuteranopia**  
00233A



# Trichromacy



**Original Color**  
050070

**Protanomaly**  
021555

**Deuteranomaly**  
02164E

**Tritanomaly**  
021842

# Monochromacy



**Original Color**  
050070

**Achromatopsia**  
0E0E0E

**Achromatomaly**  
0B0932

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 050070 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #050070 looks like.

```
.text, #text, p{  
    color:#050070  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #050070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #050070
}
```

## Border

The CSS property to change the border of an element to Hex 050070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#050070 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#050070 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #050070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #050070; -webkit-box-shadow:4px 4px  
4px 4px #050070; box-shadow:4px 4px 4px  
4px #050070 }
```

# Background

The CSS property to change the background color of an element to Hex 050070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#050070 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#050070 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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